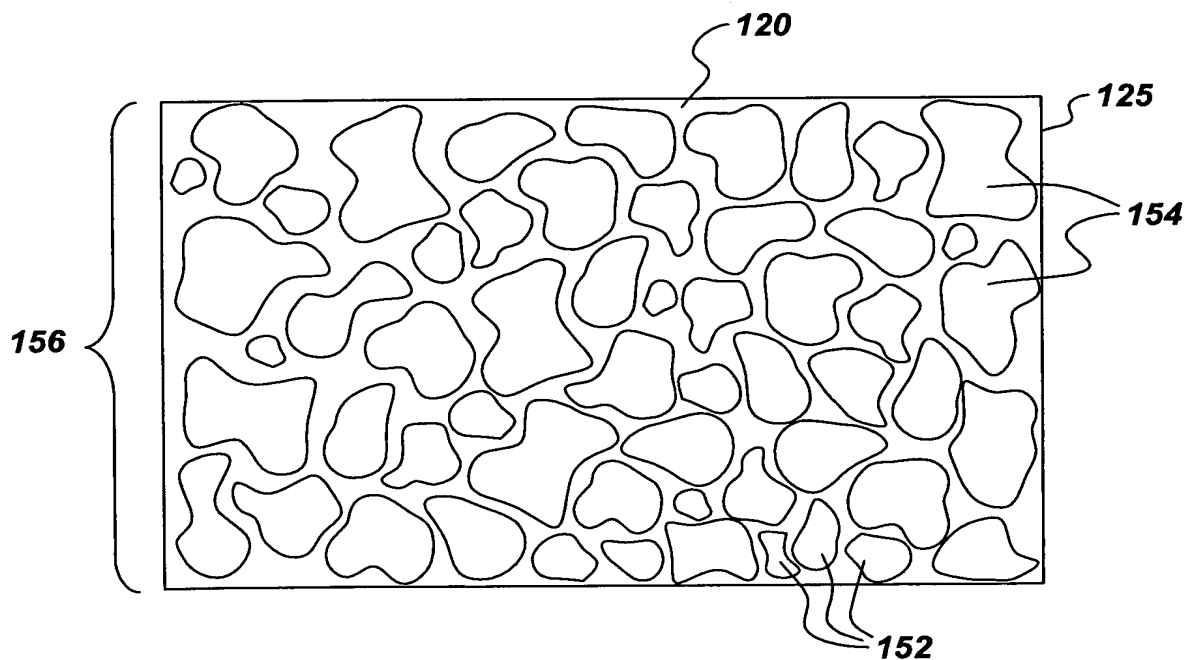
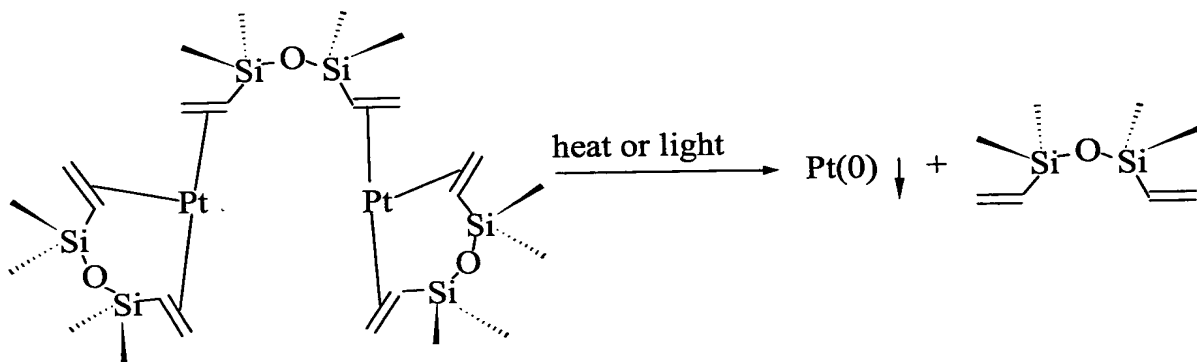
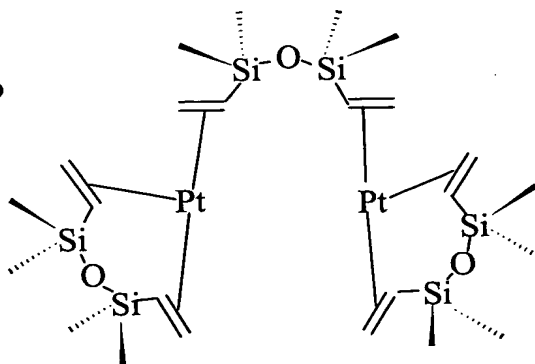


**Fig. 1**

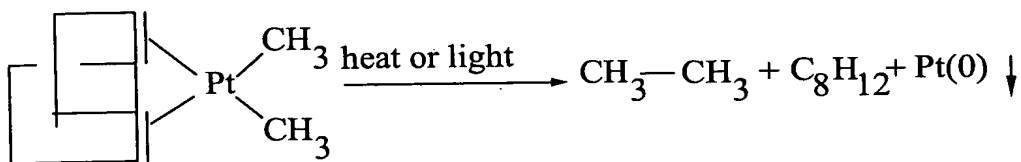


**Fig. 2**

**Fig. 3**

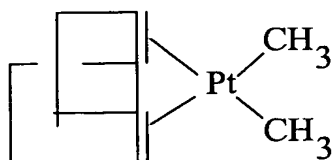


**Fig. 4**



**Fig. 5**

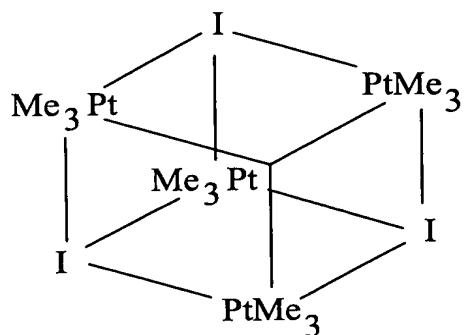
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 Inventor(s): L.N. Lewis et al.  
 Docket No.: 132913  
 Attorney: R. Santandrea  
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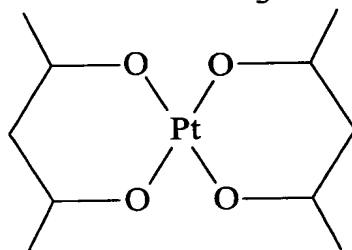
CODPtMe<sub>2</sub>

("CPM")



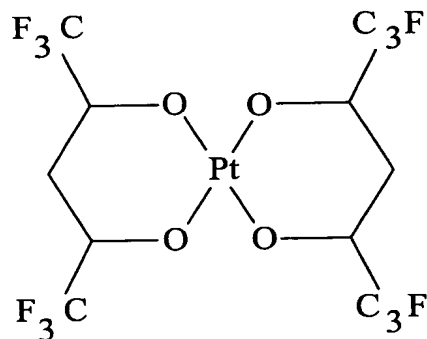
[IPtMe<sub>3</sub>]<sub>4</sub>

("IPM<sub>4</sub>")



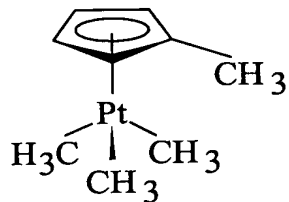
Pt(acac)<sub>2</sub>

("Ptacac")



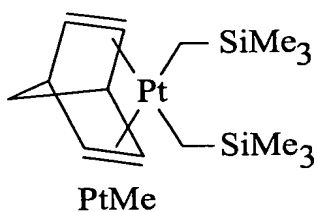
Pt(HFacac)<sub>2</sub>

("PtHFacac")



MeCpPtMe<sub>3</sub>

("MCPtMe<sub>3</sub>")



NBDPt(CH<sub>2</sub>SiMe<sub>3</sub>)<sub>2</sub>

("NBDPtSi<sub>2</sub>")

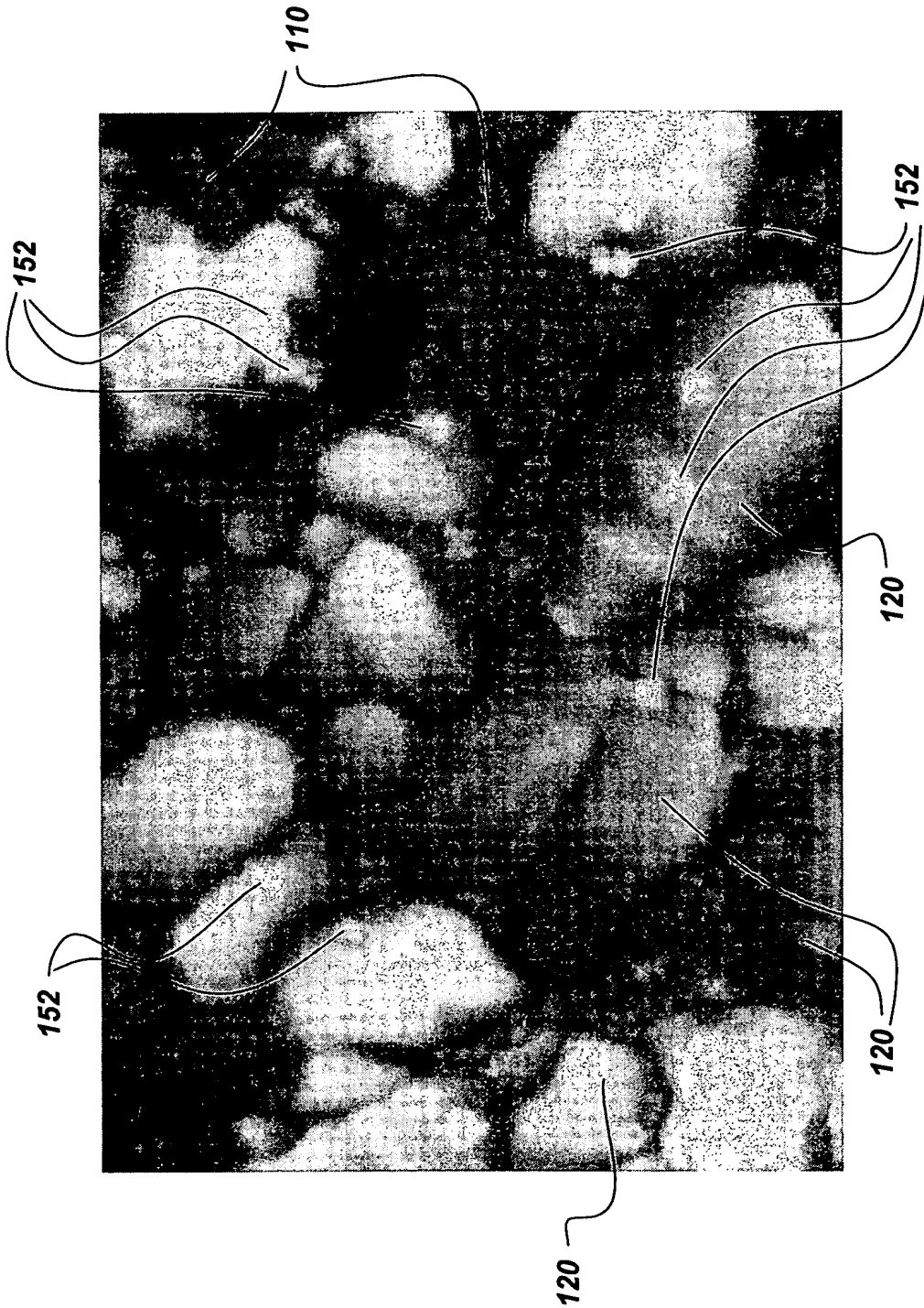
**Fig. 6**

**Fig. 7**

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Sample	Pt source	Concentration (mgPt/mL)	Spin speed (rpm)	Dep temp	Substrate	CPD(V)
Pt foil	Foil					~-0.3
124-4	CVD				Glass	-0.291
124-3	H <sub>2</sub> PtCl <sub>6</sub>			>400	SnO (from PV cell)	-0.457
110-1a	Karstedt	1% Pt/HMDZ	1000	150	SnO	-0.828
110-1b	Karstedt	1% Pt/HMDZ	1000	150	SnO	-0.826
110-1c	Karstedt	1% Pt/HMDZ	1000	150	SnO	-0.794
110-2	Karstedt	1% Pt/HMDZ	200	150	SnO	-0.842
110-3	Karstedt	2.5% Pt/HMDZ	1000	150	SnO	-0.829
110-4	Karstedt	2.5% Pt/HMDZ	200	150	SnO	
110-5	CPM	5.8	1000	150	SnO	-0.578
110-6	CPM	5.8	200	150	SnO	-0.603
110-7	CPM	14.5	1000	150	SnO	-0.488
110-8	CPM	14.5	200	150	SnO	-0.600
121-2a	CPM	14.5	1000	150	ITO/Lexan	-0.632
121-2b	CPM	14.5	1000	150	ITO/Lexan	-0.515
121-5	CPM	14.5	1000	UV/O <sub>3</sub> *	ITO/Lexan	-0.509
122-1a	CPM	14.5	1000	100	ITO/Lexan	-0.483
122-1b	CPM	14.5	1000	100	ITO/Lexan	-0.575
122-2a	CPM	14.5	1000	100	SnO/glass	-0.605
122-2b	CPM	14.5	1000	100	SnO/glass	-0.651
124-1	CPM	14.5	Draw down bar	150	SnO/glass	-0.484
121-6	IPM4	14.5	1000	150	SnO/glass	-0.478
122-3	IPM4	14.5	1000	100	SnO/glass	-0.649
121-8	Ptacac	14.5	1000	150	SnO/glass	-0.747
122-4	Ptacac	14.5	1000	100	SnO/glass	-0.528
121-10	Ptacac	14.5	1000	UV/O <sub>3</sub> *	SnO/glass	-0.716
121-12	PtHFacac	14.5	1000	UV/O <sub>3</sub> *	SnO/glass	-0.685
122-5	PtHFacac	14.5	1000	100	SnO/glass	-0.743
121-13	MCPTMe <sub>3</sub>	14.5	1000	150	SnO/glass	-0.587
121-15	MCPTMe <sub>3</sub>	14.5	1000	UV/O <sub>3</sub> *	SnO/glass	-0.784
122-6	MCPTMe <sub>3</sub>	14.5	1000	100	SnO/glass	-0.634
121-16	NBDPTSi <sub>2</sub>	14.5	1000	150	SnO/glass	-0.730
121-18	NBDPTSi <sub>2</sub>	14.5	1000	UV/O <sub>3</sub> *	SnO/glass	-0.682
122-7	NBDPTSi <sub>2</sub>	14.5	1000	100	SnO/glass	-0.591

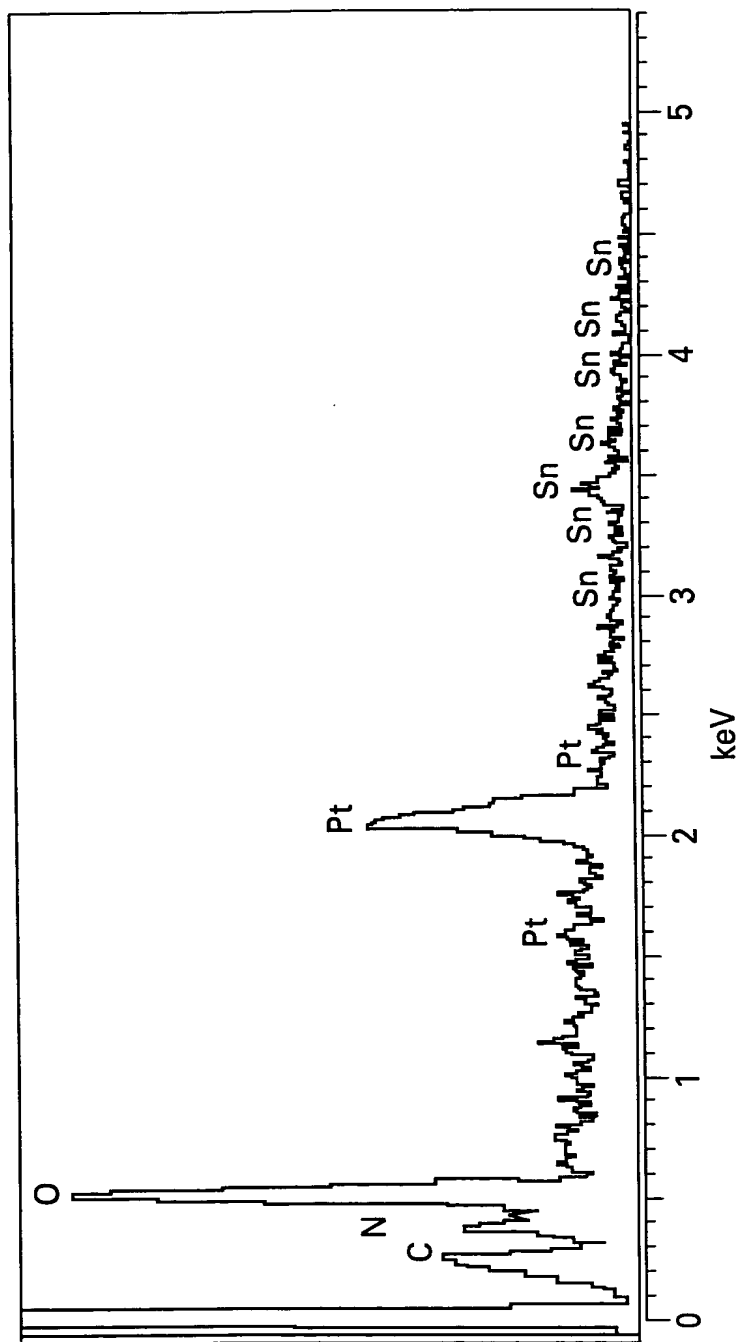
\*Decomposition under ultraviolet light in presence of ozone  
performed at room temperature



*Fig. 8*

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*Fig. 9*